

ANTIBACTERIAL PAPER

Patent number: JP11061697
Publication date: 1999-03-05
Inventor: NISHINA ATSURO; IMAZU MASAOKI
Applicant: NOF CORP
Classification:
- **international:** D21H21/36; A01N65/00
- **european:**
Application number: JP19970228724 19970826
Priority number(s):

Abstract of JP11061697

PROBLEM TO BE SOLVED: To obtain an antibacterial paper having excellent antibacterial activity and free from color and odor by mixing a bamboo extract with an emulsifier and applying a prescribed amount of the obtained antibacterial agent to a paper.

SOLUTION: A bamboo extract is prepared by finely crushing the leaf and the surface skin of stalk of a bamboo such as *Phyllostachys pubescens* with a ball mill, etc., extracting with a solvent such as ethanol, n-hexane, ether or acetone and drying the extracted liquid under reduced pressure. The bamboo extract is mixed with an emulsifier consisting of e.g. a monoglyceride of an 8-16 C fatty acid at a weight ratio of 0.1-100, preferably 1-10 and the obtained antibacterial agent is applied to a paper in an amount of 0.01-1 wt.%, preferably 0.05-0.2 wt.% to obtain the objective antibacterial paper.

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31. Antibacterial paper containing bamboo extract

CAS SECTION- 143

CAS SUBSECTION- 007

CAS 130-19 130-253926 130:253926 NDN- 127-0304-5470-5

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1999-03-05

6 page(s)

PATENT NUMBER- 99 61697

PATENT APPLICATION NUMBER- 97-228724/A2

DATE FILED- 1997-08-26

DOCUMENT TYPE- Patent; Primary Pub. Type - Patent

CODEN- JKXXAF

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COUNTRY- JP

PATENT TYPE- Jpn. Kokai Tokkyo Koho

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INTERNATIONAL PATENT CLASS- D21H0213600; A01N0650000

SUBFILE CODE- MAC

SECTION CROSS-REFERENCE- 0000100003105

LANGUAGE- Japan

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NO-ABSTRACT

IDENTIFIER(S)- bamboo ext emulsifier antibacterial paper

CAS REGISTRY/EC NUMBER(S)- 26545-74-4 **HEADING PARENT-** 9,12-Octadecadienoic acid (9Z,12Z)-

CAS REGISTRY/EC NUMBER(S)- 37266-93-6 **HEADING PARENT-** .alpha.-D-Glucopyranoside --.beta.-D-fructofuranosyl

Citations from Chemical Business News: CBN
